

IN THE ABSTRACT

Pursuant to 37 C.F.R. § 1.121, please delete the present Abstract appearing a page 9 of the specification, and substitute the follow Abstract instead:

A tire and wheel assembly that permits hand-mounting of the tire on the wheel ~~by specifying the relationship of the tire bead circumference and the wheel geometry to that:~~

$$C_t = 0.5C_w + 2\sqrt{0.5D_w^2 + (0.5D_w + G + H)^2 + (W + Y)^2} + M$$

~~where,~~ is provided. The following parameters are identified in a specific relationship so as to provide a tire that permits such hand mounting: C_t is the circumference of the wheel well, from the mounting side flange, H is the radial height of the rim flange, and Y is the axial width of the rim flange, and M represents an amount of additional length, preferably about 80 millimeters.